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15, 1902, and it has been recommended by the committee on the fund, and approved by the council, that the award be made to Miss Ida M. Ogilvie, for assistance in her studies of the *Strombidæ*.

The Herrman Fund.—The principal of this fund amounts to \$10,000. This money was presented to the council of the alliance by Mrs. Esther Herrman in January, 1899, as a nucleus of a building fund, and with the consent of Mrs. Herman, the interest upon it is being temporarily used for the encouragement and assistance of investigation. Rules for its administration were adopted by the council in October, 1902, and the following grants have been made:

1. To Professor L. M. Underwood, of the Torrey Botanical Club, for aid in his investigations upon the ferns of tropical America, \$200. Professor Underwood is now in Jamaica and will visit Cuba and other West Indian Islands during the next few months.

2. To Professor J. McK. Cattell, of the New York Academy of Sciences, for aid in his investigation on the natural history of American men of science, \$200.

N. L. BRITTON,

Secretary of the Council Scientific Alliance of New York.

FIFTH INTERNATIONAL CONGRESS OF APPLIED CHEMISTRY.

I HAVE received the following communication dated December 3, 1902, from Dr. Geo. Pulvermacher, Secretary of the Fifth International Congress of Applied Chemistry to be held in Berlin, beginning May 31, 1903, with the request that it be published in SCIENCE:

The preparations for the Fifth International Congress of Applied Chemistry, which will meet in Berlin during Whitsuntide of this year and which will be the first of its kind on German soil, are advancing in a satisfactory manner. All expectations with reference to a successful session will no doubt be fulfilled to the greatest degree. The membership of the general committee and the organization committee has increased to about one hundred and fifty. We find as members

of the general committee the Imperial Chancellor, all the secretaries of the various states and individual members of the same, the presidents of the Imperial Health Department, of the Patent Office as well as the Imperial Insurance Department, the ministers of the German Confederate States, almost all Prussian provincial ministers, representatives of many Prussian authorities and representatives of all German Confederate States. Furthermore, twelve members of the high courts, six members of the municipal council and common council, with the Chief Burgomaster and presiding officer of the common council at the head, and numerous representatives of various industries.

About sixty of the most prominent representatives of German science and industry compose the organization committee and are making the requisite arrangements. An extensive fund for the expenses of the Congress has been subscribed and is in the hands of the treasurer of the Congress, Deputy Doctor Böttinger.

The foreign states whose governments received notice of the Congress through diplomatic channels and who were requested to send delegates have formed separate organization committees which are in constant communication with the organization committee in Berlin. A large attendance both from European and foreign countries is expected.

The work of the congress will be done in eleven sections. The President of the congress, Professor Dr. Otto N. Witt, in conjunction with the presiding officers of the individual sections, has fixed the basic principles for the scientific arrangement of the congress. The sections have been divided as follows:

1. Analytical chemistry, apparatus and instruments; presiding officer, Professor Dr. G. von Knorre, Charlottenburg, Technische Hochschule.

2. Chemical industries of inorganic products; presiding officer, Dr. Heinecke, Berlin N. W., Wegelystr.

3. Metallurgy and explosives; presiding officer, Professor Dr. J. Weeren, Charlottenburg, Stuttgarterplatz, 13.

4. Chemical industries of organic products.

(a) Organic preparations including tar products; presiding officer, Professor Dr. H. Wichelhaus, Berlin, N. W., 40, Grosse Quer-allee, 1.

(b) Dyes and their application; presiding officer, Dr. Lehne, Grunewald, Trabnerstr. 9.

5. Sugar industry; presiding officer, Professor Dr. Herzfeld, Grunewald, Gillstr. 12.

6. Fermentation industries and starch manufacture; presiding officer, Professor Dr. H. Delbruck, Berlin W. 15, Fasanenstr. 44.

7. Agricultural chemistry; presiding officer, Professor Dr. Wagner, Darmstadt.

8. Hygiene, medical and pharmaceutical chemistry, foods; presiding officer, Dr. E. A. Merck, Darmstadt.

9. Photo-chemistry; presiding officer, Professor Dr. A. Miethe, Charlottenburg, Kantstr. 42.

10. Electro-chemistry and physical chemistry; presiding officer, Dr. H. T. Böttinger, Elberfeld.

11. Judicial and economic questions associated with chemical industries; presiding officer, Dr. C. A. Martius, Berlin, W. 9, Vossstr. 12.

These sections have been formed and have held sessions in which all matters placed before them have been discussed. Each section will submit certain questions of general and international importance for which referees and coreferees have been appointed and whose treatment will include a discussion as well as an eventual resolution which will be placed before the congress in its final general session. Furthermore, each section has already received a number of papers from scientists both local and foreign. The three general sessions will include the official opening and closing addresses, and a number of detailed lectures by prominent representatives of the sciences and industries of different countries.

A series of especially important questions in the field of analytical chemistry is now under consideration by a special international commission.

A separate exhibit of apparatus and preparations will not be held by the congress. It is, however, certain that the members will

have numerous opportunities to become acquainted with improvements in the various provinces of chemistry. Lectures with demonstrations will be allowed in the sessions of the individual sections. Both the general section sessions will be held in the hall of the Reichstag. Only section 10, electro-chemistry and physical chemistry, will, on account of the experiments connected with the addresses, hold its sessions in the auditorium of the Physical Institute.

A local committee has been formed, of which Dr. J. F. Holtz is chairman. An extensive program of entertainments has been prepared. An informal meeting at some suitable place has been planned for the evening of June 2, after the meeting in the hall of the Reichstag. A banquet and a commers will be held during the week. The city of Berlin will give a festival in honor of the members of the congress. A performance at the opera house and a garden festival are also planned. An excursion to various points of interest in the vicinity of Berlin will close the week.

Invitations to the congress, which contain all details of interest to those who will participate, will be sent during January to the addresses collected during the last two years, from all countries of the world. About 50,000 copies will be distributed.

Communications and inquiries concerning the congress should be addressed to the bureau, Charlottenburg, Marchstrasse, 21.

Since the publication of the first list of the American committee, the following changes have been made:

M. E. Jaffa, of the University of California, present address Middletown, Conn., has been appointed chairman of section 8, in place of Dr. W. O. Atwater, and Dr. Leo Baekeland, Snug Rock, Yonkers, N. Y., chairman of section 9, in place of Dr. L. H. Friedburg.

Word has been received from Dr. Pulvermacher that circulars of information, etc., have been sent to the chairman of the American committee for distribution to interested American chemists. Already a list of considerable magnitude of the names of such

chemists has been compiled, but it is far from complete. All interested in receiving these circulars of information should address a request to that effect to the chairman of the American Committee on Organization.

Intending members are requested to send a check for \$4.85 to Dr. H. W. Wiley, U. S. Department of Agriculture, Washington, D. C., who will give a receipt therefor and transmit the amount to Berlin.

Titles of papers should be sent to the American chairmen of the various sectional committees. (See SCIENCE, No. 414, December 5, 1902, p. 899.)

It is hoped that the interest which has already been manifested by American chemists in this congress will continue, and that next to Germany we may have the largest number of members enrolled.

H. W. WILEY,

*Chairman, American Committee
on Organization.*

SCIENTIFIC NOTES AND NEWS.

DR. ALBERT B. PRESCOTT, professor of chemistry in the University of Michigan, has been given the degree of LL.D. by Northwestern University.

DR. KARL GEGENBAUR, professor of anatomy at the University of Heidelberg, has been made a knight of the Prussian order 'Pour le merite'; and Professor Luigi Cremona, director of the School of Engineering at Rome, has been made a foreign member of the same order.

DR. FRIEDRICH SCHOTTKY, professor of mathematics at Marburg, has been elected a member of the Berlin Academy of Sciences.

THE Carnegie Institution has made a grant of \$1,000 to Professor H. V. Wilson of the University of North Carolina, for the prosecution of an investigation on the morphology and classification of sponges.

PROFESSOR S. W. WILLISTON, of the University of Chicago, has received a grant from the Carnegie Institution for a monographic study of the plesiosaurs. Professor E. C. Case, of the State Normal School of Milwaukee, Wis.,

has received a similar grant to aid him in researches on the Permian reptiles.

A PRESS despatch states that the Carnegie Institution has made grants of money to professors of the Johns Hopkins University as follows: Professor R. W. Wood, professor of experimental physics, \$1,000 to maintain a research assistant in his laboratory; Dr. H. N. Morse, professor of analytical chemistry, \$1,500 to enable him to retain the services of an assistant during the current year in his investigations upon his newly discovered method of measuring osmotic pressures; Dr. Harry C. Jones, professor of physical chemistry, \$1,000 for an assistant; and Dr. J. J. Abel, professor of physiological chemistry, \$1,000 for the purchase of apparatus necessary in his work.

PROFESSOR E. B. POULTON, of Oxford University, has been elected president of the Entomological Society of London.

AN Electrochemical Society has been established in Great Britain, with Dr. J. W. Swan as president. The vice-presidents are Professor A. Crum-Brown, Sir Oliver T. Lodge, Dr. Ludwig Mond, Lord Rayleigh, Mr. Alexander Siemens and Mr. J. Swinburne.

MAYOR LOW, of New York city, has appointed a commission to pass on the plan of the new Manhattan bridge over the East River, consisting of Lieut. Col. Charles W. Raymond, U.S.A., Mr. George S. Morrison, Mr. Charles C. Schneider, vice-president of the American Bridge Company; Mr. Henry W. Hodge and Professor Mansfield Merriman, of Lehigh University.

PROFESSOR W. S. FRANKLIN, of Lehigh University, delivered a lecture before the Pittsburgh Academy of Science, on February 5, on the subject of 'Lens imperfections and their compensation.'

PROFESSOR CONWAY MACMILLAN, of the University of Minnesota, is recovering from a serious attack of typhoid fever which has kept him from the university since January 6.

JOSEPH BURTT DAVY, instructor in botany in the University of California, has accepted the position of state agrostologist and botanist